

Claims

What is claimed is:

1. A three-dimensional structure mask comprising:
 - 5 an upper portion positioning in the upper place of said three-dimensional structure mask, and a nasal bridge notch being in an adequate position;
a middle portion positioning in the middle place of said three-dimensional structure mask, and positioning in the down side of said upper portion; and
a lower portion positioning in the lower place of said three-dimensional
 - 10 structural mask, and a nasal bridge notch being in an adequate position placing in the down side of said middle portion;
wherein the upper portion, the middle portion, and the lower portion reform a one-piece structure.
2. The three-dimensional structure according to claim 1, wherein the middle
- 15 portion is composed of fiber combiners or fiber composites.
3. The three-dimensional structure according to claim 1, wherein the upper portion and the lower portion have an optimum width size which is equal to half width of the middle portion.
4. The three-dimensional structure according to claim 1, wherein the two sides
- 20 of the upper portion and the lower portion are cut as four-beveled edges, and forming a polyhedron structure by comprising with the middle portion.
5. The three-dimensional structure according to claim 1, wherein the middle portion can extend for enhancing a breathing clearance with tight seal.
6. The three-dimensional structure according to claim 1, wherein the upper
- 25 portion and the lower portion of a mask are folded in a reverse direction for avoiding for avoiding a contacting pollution from touching the inner surface.

7. The three-dimensional structure according to claim 1, wherein said mask comprises with two straps.
8. The three-dimensional structure according to claim 7, wherein said strap includes a thread type, a belt type, and a plane type, and can be an ear-hang type, a head type, or a jointed type.
9. The three-dimensional structure according to claim 1, wherein a middle notch placing in an adequate position of the middle portion, and the middle notch is used to support the middle portion.
10. The three-dimensional structure according to claim 9, wherein said middle notch can be either horizontally or vertically placing in an adequate place of the middle portion.